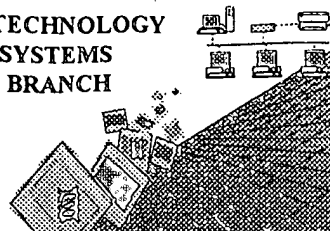# RAW SEQUENCE LISTING
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Date Processed by STIC: 2/5/2002

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Revised 01/29/2002

OIPE

RAW SEQUENCE LISTING   DATE: 02/05/2002
PATENT APPLICATION: US/09/891,983   TIME: 17:04:22

Input Set : A:\6821uso1.txt
Output Set: N:\CRF3\02052002\I891983.raw

_P4_

**Does Not Comply
Corrected Diskette Needer**

```
 4 <110> APPLICANT: Abbott Laboratories
 5         Shah, Dinesh O.
 6         Dawson, George A.
 7         Muerhoff, A. Scott
 8         Jiang, Lily
 9         Gutierrez, Robin A.
10         Leary, Thomas P.
11         Desai, Suresh
12         Stewart, James L.
14 <120> TITLE OF INVENTION: Methods For The simultaneous Detection
15         Of HCV Antigens And HCV Antibodies
18 <130> FILE REFERENCE: 6821.US.O1
20 <140> CURRENT APPLICATION NUMBER: 09/891,983
21 <141> CURRENT FILING DATE: 2001-06-26
23 <160> NUMBER OF SEQ ID NOS: 36
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 40
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Primer
35 <400> SEQUENCE: 1
36 atagaattcc atgcagaaaa aaaacaaacg taacaccaac                    40
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 46
40 <212> TYPE: DNA
41 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Primer
46 <400> SEQUENCE: 2
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49 <210> SEQ ID NO: 3
50 <211> LENGTH: 24
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Primer
57 <400> SEQUENCE: 3
58 aaaacctctg aacgttctca gccg                                   24
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 36
62 <212> TYPE: DNA
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PATENT APPLICATION: US/09/891,983   TIME: 17:04:22

Input Set : A:\6821uso1.txt
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63  <213> ORGANISM: Artificial Sequence
65  <220> FEATURE:
66  <223> OTHER INFORMATION: Primer
68  <400> SEQUENCE: 4
69  tatggatcct tattacggag acagcagcca accagc                          36
71  <210> SEQ ID NO: 5
72  <211> LENGTH: 244
73  <212> TYPE: DNA
74  <213> ORGANISM: Hepatitis C Virus
76  <400> SEQUENCE: 5
77  gaattccatg cagaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt   60
78  cccgggtggt ggtcagatcg ttaaaacctc tgaacgttct cagccgcgtg ggcgtcgtca  120
79  gccgatcccg aaagctcgtc gtccggaagg tcgtacctgg gctcagccgg gttacccgtg  180
80  gccgctgtac ggtaacgaag gttgcggttg ggcaggttgg ctgctgtctc cgtaataagg  240
81  atcc                                                              244
83  <210> SEQ ID NO: 6
84  <211> LENGTH: 75
85  <212> TYPE: PRT
86  <213> ORGANISM: Hepatitis C Virus
88  <400> SEQUENCE: 6
89  Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
90   1               5                  10                  15
91  Lys Phe Pro Gly Gly Gly Gln Ile Val Lys Thr Ser Glu Arg Ser Gln
92                  20                  25                  30
93  Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg Pro Glu Gly
94              35                  40                  45
95  Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr Gly Asn Glu
96          50                  55                  60
97  Gly Cys Gly Trp Ala Gly Trp Leu Leu Ser Pro
98  65                  70                  75
100 <210> SEQ ID NO: 7
101 <211> LENGTH: 280
102 <212> TYPE: DNA
103 <213> ORGANISM: Hepatitis C Virus
105 <400> SEQUENCE: 7
106 gaattccatg cagaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt   60
107 cccgggtggt ggtcagatcg ttggtctgct gccgcgtcgt ggtccgcgtc tgggtcgtaa  120
108 aacctctgaa cgttctcagc cgcgtgggcg tcgtcagccg atcccgaaag ctcgtcgtcc  180
109 ggaaggtcgt acctgggctc agccgggtta cccgtggccg ctgtacggta acgaaggttg  240
110 cggttgggct ggttggctgc tgtctccgta ataaggatcc                        280
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 87
114 <212> TYPE: PRT
115 <213> ORGANISM: Hepatitis C Virus
117 <400> SEQUENCE: 8
118 Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
119  1               5                  10                  15
120 Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Leu Leu Pro Arg Arg Gly
121                 20                  25                  30
```

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PATENT APPLICATION: US/09/891,983   TIME: 17:04:22

Input Set : A:\6821uso1.txt
Output Set: N:\CRF3\02052002\I891983.raw

```
122 Pro Arg Leu Gly Arg Lys Thr Ser Glu Arg Ser Gln Pro Arg Gly Arg
123          35                  40                  45
124 Arg Gln Pro Ile Pro Lys Ala Arg Arg Pro Glu Gly Arg Thr Trp Ala
125      50                  55                  60
126 Gln Pro Gly Tyr Pro Trp Pro Leu Tyr Gly Asn Glu Gly Cys Gly Trp
127 65                  70                      75                  80
128 Ala Gly Trp Leu Leu Ser Pro
129              85
131 <210> SEQ ID NO: 9
132 <211> LENGTH: 52
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Primer
139 <400> SEQUENCE: 9
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142 <210> SEQ ID NO: 10
143 <211> LENGTH: 48
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Primer
150 <400> SEQUENCE: 10
151 ccgcgtcgtg gtccgcgtct gggtcgtaaa acctctgaac gttctcag               48
153 <210> SEQ ID NO: 11
154 <211> LENGTH: 301
155 <212> TYPE: DNA
156 <213> ORGANISM: Hepatitis C Virus
158 <400> SEQUENCE: 11
159 gaattccatg cagaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt   60
160 cccgggtggt ggtcagatcg ttggtggtgt ttacgttctg ccgcgtcgtg gtccgcgtct  120
161 gggtgttctg gctacgcgta aaacctctga acgttctcag ccgcgtgggc gtcgtcagcc  180
162 gatcccgaaa gctcgtcgtc cggaaggtcg tacctgggct cagccgggtt acccgtggcc  240
163 gctgtacggt aacgaaggtt gcggttgggc tggttggctg ctgtctccgt aataaggatc  300
164 c                                                                  301
166 <210> SEQ ID NO: 12
167 <211> LENGTH: 94
168 <212> TYPE: PRT
169 <213> ORGANISM: Hepatitis C Virus
171 <400> SEQUENCE: 12
172 Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
173 1                5                  10                  15
174 Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Val Leu Pro
175              20                  25                  30
176 Arg Arg Gly Pro Arg Leu Gly Val Leu Ala Thr Arg Lys Thr Ser Glu
177          35                  40                  45
178 Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg
179      50                  55                  60
180 Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr
```

RAW SEQUENCE LISTING   DATE: 02/05/2002
PATENT APPLICATION: US/09/891,983   TIME: 17:04:22

Input Set : A:\6821uso1.txt
Output Set: N:\CRF3\02052002\I891983.raw

```
181 65                70                75                      80
182 Gly Asn Glu Gly Cys Gly Trp Ala Gly Trp Leu Leu Ser Pro
183                   85                   90
185 <210> SEQ ID NO: 13
186 <211> LENGTH: 45
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Primer
193 <400> SEQUENCE: 13
194 acccagacgc ggaccacgac gcggcagaac gtaaacacca ccaac                    45
196 <210> SEQ ID NO: 14
197 <211> LENGTH: 45
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Primer
204 <400> SEQUENCE: 14
205 ccgcgtcgtg gtccgcgtct gggtgttctg gctacgcgta aaacc                    45
207 <210> SEQ ID NO: 15
208 <211> LENGTH: 300
209 <212> TYPE: DNA
210 <213> ORGANISM: Hepatitis C Virus
212 <220> FEATURE:
213 <221> NAME/KEY: misc_feature
214 <222> LOCATION: (99)...(99)  (100)...(100)
215 <223> OTHER INFORMATION: n = a or g or c or t/u, unknown, or other at
216       position 99/100
218 <400> SEQUENCE: 15
219 gaattccatg cagaaaaaaa acaaacgtaa caccaaccgt cgtccgcagg acgttaaatt     60
220 cccgggtggt ggtcagatcg ttggtggtgt ttacctgctn ccgcgtcgtg gtccgcgtct    120
221 gggtgttcgt gctacgcgta aaacctctga cgttctcag ccgcgtgggc gtcgtcagcc     180
222 gatccgaaag ctcgtcgtcc ggaaggtcgt acctgggctc agccgggtta cccgtggccg    240
223 ctgtacggta acgaaggttg cggttgggct ggttggctgc tgtctccgta ataaggatcc    300
225 <210> SEQ ID NO: 16
226 <211> LENGTH: 94
227 <212> TYPE: PRT
228 <213> ORGANISM: Hepatitis C Virus
230 <400> SEQUENCE: 16
231 Met Gln Lys Lys Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val
232 1               5                   10                  15
233 Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Leu Leu Pro
234             20                  25                  30
235 Arg Arg Gly Pro Arg Leu Gly Val Arg Ala Thr Arg Lys Thr Ser Glu
236         35                  40                  45
237 Arg Ser Gln Pro Arg Gly Arg Arg Gln Pro Ile Pro Lys Ala Arg Arg
238     50                  55                  60
239 Pro Glu Gly Arg Thr Trp Ala Gln Pro Gly Tyr Pro Trp Pro Leu Tyr
240 65                  70                  75                  80
```

W--> (handwritten annotation pointing to line 220)

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PATENT APPLICATION: US/09/891,983   TIME: 17:04:22

Input Set : A:\6821uso1.txt
Output Set: N:\CRF3\02052002\I891983.raw

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242   85   90
244 <210> SEQ ID NO: 17
245 <211> LENGTH: 18
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Primer
252 <400> SEQUENCE: 17
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255 <210> SEQ ID NO: 18
256 <211> LENGTH: 20
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Primer
263 <400> SEQUENCE: 18
264 ttctagcgag cttaaggagc   20
266 <210> SEQ ID NO: 19
267 <211> LENGTH: 18
268 <212> TYPE: PRT
269 <213> ORGANISM: Hepatitis C Virus
271 <400> SEQUENCE: 19
272 Met Ser Thr Asn Pro Lys Pro Gln Lys Lys Asn Lys Arg Asn Thr Asn
273 1   5   10   15
274 Arg Arg
277 <210> SEQ ID NO: 20
278 <211> LENGTH: 18
279 <212> TYPE: PRT
280 <213> ORGANISM: Hepatitis C Virus
282 <400> SEQUENCE: 20
283 Asn Lys Arg Asn Thr Asn Arg Arg Pro Gln Asp Val Lys Phe Pro Gly
284 1   5   10   15
285 Gly Gly
288 <210> SEQ ID NO: 21
289 <211> LENGTH: 18
290 <212> TYPE: PRT
291 <213> ORGANISM: Hepatitis C Virus
293 <400> SEQUENCE: 21
294 Asp Val Lys Phe Pro Gly Gly Gly Gln Ile Val Gly Gly Val Tyr Leu
295 1   5   10   15
296 Leu Pro
299 <210> SEQ ID NO: 22
300 <211> LENGTH: 18
301 <212> TYPE: PRT
302 <213> ORGANISM: Hepatitis C Virus
304 <400> SEQUENCE: 22
305 Val Gly Gly Val Tyr Leu Leu Pro Arg Arg Gly Pro Arg Leu Gly Val
306 1   5   10   15

VERIFICATION SUMMARY   DATE: 02/05/2002
PATENT APPLICATION: US/09/891,983   TIME: 17:04:23

Input Set : A:\6821uso1.txt
Output Set: N:\CRF3\02052002\I891983.raw

L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15